

*UPDATED*  
**EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	166	516/100.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 14:15
L2	413	516/98.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 14:15
L4	406	L2 not L1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 14:16
L5	1223085	crystal or nanocrystal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 14:16
L6	13581	amphiphilic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 14:16
L7	2232571	carbox\$5 or COOH or hydroxy\$2 or OH or sulfon\$5 or sulphon\$5 or SO3H or "SO.sub.3H" or amin\$3 or NH2 or "NH.sub.2" or phosphon\$3 or PO3H2 or "PO.sub.3H.sub.2"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 14:16
L8	29394	(sol adj gel) or sol\$1gel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 14:16

## EAST Search History

L9	324199	(alkoxide or halide or fluoride or chloride or bromide or iodide or hydroxide) near5 (silicon or Si or titanium or Ti or zirconium or Zr or aluminum or Al or vanadium or V or iron or Fe or tin or Sn or tantalum Ta or cerium or Ce or chromium or Cr)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 14:16
L10	4319508	(zinc or Zn or cadmium or Cd or mercury or Hg or aluminum or Al or gallium or Ga or indium or In or thallium or Tl or lead or Pb or tin or Sn or magnesium or Mg or calcium or Ca or strontium or Sr or barium or Ba) near5 (sulfur or sulphur or S or selenium or Se or tellurium or Te or arsenic or As or antimony or Sb or nitrogen or N or phosphorus or P or silicon or Si or germanium or Ge or silver or Ag or gold or Au or cobalt or Co or iron or Fe or nickel or Ni or copper or Cu or manganese or Mn)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 14:16
L11	277366	((acrylic or methacrylic or meth\$1acrylic or (meth adj acrylic) adj acid) or polyacrylicacid or polymethacrylicacid or (poly\$1acrylic or (poly adj acrylic) or poly\$1methacrylic or (poly adj methacrylic) or (poly adj meth\$1acrylic) or (poly adj meth adj acrylic) adj acid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 14:16
L12	20	((acrylic adj acid) or polyacrylicacid or (poly\$1acrylic or (poly adj acrylic) adj acid)) near5 (octylamine or (octyl adj amine) or octyl\$1amine)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 14:16
L13	0	L5 L6 L7 L8 L9 L10 L11 L12	EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/27 14:16
L14	0	L5 L6 L7 L8 L9 L10 L11	EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/27 14:23
L15	0	L5 L6 L8 L9 L10 L11	EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/27 14:23
L16	0	L5 L6 L8 L10 L11	EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/27 14:23

## EAST Search History

L17	1	L5 L6 L8 L10	EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/27 14:23
L18	2	L5 L6 L8	EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/27 14:23
L19	0	L5 L6 L7 L8 L9 L10 L11 L12	USOCR	AND	ON	2006/06/27 14:23
L20	0	L5 L6 L7 L8 L9 L10 L11	USOCR	AND	ON	2006/06/27 14:23
L21	0	L5 L6 L8 L9 L10 L11	USOCR	AND	ON	2006/06/27 14:23
L22	0	L5 L6 L8 L10 L11	USOCR	AND	ON	2006/06/27 14:23
L23	0	L5 L6 L8 L10	USOCR	AND	ON	2006/06/27 14:26
L24	0	L5 L6 L8	USOCR	AND	ON	2006/06/27 14:26
L25	1	L5 L6 L7 L8 L9 L10 L11 L12	US-PGPUB; USPAT	AND	ON	2006/06/27 14:26
L26	1	(L5 same L10) (L6 same L7 same L11) (L8 same L9)	US-PGPUB; USPAT	AND	ON	2006/06/27 14:29
L27	2	(L5 same L10) (L6 same L7) (L8 same L9)	US-PGPUB; USPAT	AND	ON	2006/06/27 14:29
L28	32	(L5 same L10) (L11 or L12) (L8 same L9)	US-PGPUB; USPAT	AND	ON	2006/06/27 14:31
L29	21	L28 and (@pd<="20021116" or @ad<="20031116")	US-PGPUB; USPAT	AND	ON	2006/06/27 14:31
L30	11	28 not 29	US-PGPUB; USPAT	AND	ON	2006/06/27 14:32
L31	17732	PbSe or Pb\$1Se or (Pb adj Se) or Lead\$1Selenium or (Lead adj Selenium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 14:34
L32	1223085	crystal or nanocrystal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 14:34
L33	29394	(sol adj gel) or sol\$1gel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 14:34
L34	2	L31 and L32 and L33	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 14:34
L35	2	L31 and L32 and L33	USOCR	OR	ON	2006/06/27 14:35

## EAST Search History

L36	4738	nanocrystal or nano\$1crystal or (nano adj crystal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 14:35
L37	31	(L31 same L36) and L33	US-PGPUB; USPAT	OR	ON	2006/06/27 14:35
L38	14	L37 and (@pd<="20021116" or @ad<="20031116")	US-PGPUB; USPAT	AND	ON	2006/06/27 14:35
L39	29418	(sol adj gel) or sol\$1gel or solgel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 14:39
L40	31	(L31 same L36) and L39	US-PGPUB; USPAT	OR	ON	2006/06/27 14:39
L41	20	((acrylic adj acid) or polyacrylicacid or (poly\$1acrylic or (poly adj acrylic) adj acid)) near5 (octylamine or (octyl adj amine) or octyl\$1amine)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 14:42
L42	5	L41 and (@pd<="20021116" or @ad<="20031116")	US-PGPUB; USPAT	AND	ON	2006/06/27 14:42
S1	1156762	crystal or nanocrystal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/16 07:22
S2	12340	amphiphilic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/16 07:22
S3	2159406	carbox\$5 or COOH or hydroxy\$2 or OH or sulfon\$5 or sulphon\$5 or SO3H or "SO.sub.3H" or amin\$3 or NH2 or "NH.sub.2" or phosphon\$3 or PO3H2 or "PO.sub.3H.sub.2"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/16 07:23
S4	26965	(sol adj gel) or sol\$1gel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/16 07:24

## EAST Search History

S5	313098	(alkoxide or halide or fluoride or chloride or bromide or iodide or hydroxide) near5 (silicon or Si or titanium or Ti or zirconium or Zr or aluminum or Al or vanadium or V or iron or Fe or tin or Sn or tantalum Ta or cerium or Ce or chromium or Cr)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/16 07:27
S6	4133406	(zinc or Zn or cadmium or Cd or mercury or Hg or aluminum or Al or gallium or Ga or indium or In or thallium or Tl or lead or Pb or tin or Sn or magnesium or Mg or calcium or Ca or strontium or Sr or barium or Ba) near5 (sulfur or sulphur or S or selenium or Se or tellurium or Te or arsenic or As or antimony or Sb or nitrogen or N or phosphorus or P or silicon or Si or germanium or Ge or silver or Ag or gold or Au or cobalt or Co or iron or Fe or nickel or Ni or copper or Cu or manganese or Mn)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/16 07:29
S7	266785	((acrylic or methacrylic or meth\$1acrylic or (meth adj acrylic) adj acid) or polyacrylicacid or polymethacrylicacid or (poly\$1acrylic or (poly adj acrylic) or poly\$1methacrylic or (poly adj methacrylic) or (poly adj meth\$1acrylic) or (poly adj meth adj acrylic) adj acid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/16 07:34
S8	14	((acrylic adj acid) or polyacrylicacid or (poly\$1acrylic or (poly adj acrylic) adj acid)) near5 (octylamine or (octyl adj amine) or octyl\$1amine)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/16 07:36
S9	0	S1 S2 S3 S4 S5 S6 S7 S8	EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/16 07:39
S10	0	S1 S2 S3 S4 S5 S6 S7	EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/16 07:36
S11	0	S1 S2 S4 S5 S6 S7	EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/16 07:37
S12	0	S1 S2 S4 S6 S7	EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/16 07:37

## EAST Search History

S13	1	S1 S2 S4 S6	EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/16 07:38
S14	2	S1 S2 S4	EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/11/16 07:38
S15	0	S1 S2 S3 S4 S5 S6 S7 S8	USOCR	AND	ON	2005/11/16 07:40
S16	0	S1 S2 S3 S4 S5 S6 S7	USOCR	AND	ON	2005/11/16 07:41
S17	0	S1 S2 S4 S5 S6 S7	USOCR	AND	ON	2005/11/16 07:40
S18	0	S1 S2 S4 S6 S7	USOCR	AND	ON	2005/11/16 07:40
S19	0	S1 S2 S4 S6	USOCR	AND	ON	2005/11/16 07:40
S20	0	S1 S2 S4	USOCR	AND	ON	2005/11/16 07:40
S21	1	S1 S2 S3 S4 S5 S6 S7 S8	US-PGPUB; USPAT	AND	ON	2005/11/16 07:41
S22	27	S1 S2 S3 S4 S5 S6 S7	US-PGPUB; USPAT	AND	ON	2005/11/16 07:44
S23	1	(S1 same S6) (S2 same S3 same S7) (S4 same S5)	US-PGPUB; USPAT	AND	ON	2005/11/16 07:49
S24	2	(S1 same S6) (S2 same S3) (S4 same S5)	US-PGPUB; USPAT	AND	ON	2005/11/16 07:48
S25	160	(S1 same S6) (S4 same S5)	US-PGPUB; USPAT	AND	ON	2005/11/16 07:48
S26	46	(S1 same S6) (S4 same S5) and surfactant	US-PGPUB; USPAT	AND	ON	2005/11/16 07:49
S27	27	(S1 same S6) (S7 or S8) (S4 same S5)	US-PGPUB; USPAT	AND	ON	2005/11/16 07:50
S28	21	S27 and (@pd<="20021116" or @ad<="20031116")	US-PGPUB; USPAT	AND	ON	2005/11/16 14:20
S29	162	516/100.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/16 08:03
S30	410	516/98.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/16 08:02
S31	403	S30 not S29	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/16 08:03

## EAST Search History

S32	17535	PbSe or Pb\$1Se or (Pb adj Se) or Lead\$1Selenium or (Lead adj Selenium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/16 10:09
S33	1156762	crystal or nanocrystal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/16 10:15
S34	26965	(sol adj gel) or sol\$1gel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/16 10:17
S35	483	S33 and S34	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/16 10:09
S36	2	S32 and S33 and S34	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/16 10:14
S37	2	S32 and S33 and S34	USOCR	OR	ON	2005/11/16 10:14
S38	95	S32 and S33 and S34	US-PGPUB; USPAT	OR	ON	2005/11/16 10:15
S39	3891	nanocrystal or nano\$1crystal or (nano adj crystal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/16 10:15
S40	48	S32 and S39 and S34	US-PGPUB; USPAT	OR	ON	2005/11/16 10:15
S41	23	(S32 same S39) and S34	US-PGPUB; USPAT	OR	ON	2005/11/16 10:17
S42	13	S41 and (@pd<="20021116" or @ad<="20031116")	US-PGPUB; USPAT	AND	ON	2005/11/16 10:16
S43	26985	(sol adj gel) or sol\$1gel or solgel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/16 10:17
S44	110	(S43 same S39) and S34	US-PGPUB; USPAT	OR	ON	2005/11/16 10:18

## EAST Search History

S45	23	(S32 same S39) and S43	US-PGPUB; USPAT	OR	ON	2005/11/16 10:18
S46	1	"5093286".pn.	USPAT	OR	ON	2005/11/16 10:24
S47	3	(US-6645444-\$ or US-6262129-\$ or US-6869545-\$).did.	USPAT	OR	ON	2005/11/16 10:25
S48	14	((acrylic adj acid) or polyacrylicacid or (poly\$1acrylic or (poly adj acrylic) adj acid)) near5 (octylamine or (octyl adj amine) or octyl\$1amine)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 06:57
S49	5	S48 and (@pd<="20021116" or @ad<="20031116")	US-PGPUB; USPAT	AND	ON	2005/11/16 14:27
S50	3891	nanocrystal or nano\$1crystal or (nano adj crystal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/16 14:26
S51	242	S50 and ((volume or vol) near5 (load\$4 percent\$4 "%"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/16 14:30
S52	4133406	(zinc or Zn or cadmium or Cd or mercury or Hg or aluminum or Al or gallium or Ga or indium or In or thallium or Tl or lead or Pb or tin or Sn or magnesium or Mg or calcium or Ca or strontium or Sr or barium or Ba) near5 (sulfur or sulphur or S or selenium or Se or tellurium or Te or arsenic or As or antimony or Sb or nitrogen or N or phosphorus or P or silicon or Si or germanium or Ge or silver or Ag or gold or Au or cobalt or Co or iron or Fe or nickel or Ni or copper or Cu or manganese or Mn)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/16 14:42
S53	226	S51 and S52	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/16 14:31
S54	169	S53 and (@pd<="20021116" or @ad<="20031116")	US-PGPUB; USPAT	AND	ON	2005/11/16 14:41



## EAST Search History

S55	18	S50 with ((volume or vol) near5 (load\$4 percent\$4 "%"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/16 14:30
S56	0	S55 with S52	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/16 14:31
S57	14	S55 and S52	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/16 14:31
S58	10	S57 and (@pd<="20021116" or @ad<="20031116")	US-PGPUB; USPAT	AND	ON	2005/11/16 14:41
S59	747	S50 with S52	US-PGPUB; USPAT	AND	ON	2005/11/16 14:43
S60	5	S55 and S59	US-PGPUB; USPAT	AND	ON	2005/11/16 14:43
S61	3	S60 and (@pd<="20021116" or @ad<="20031116")	US-PGPUB; USPAT	AND	ON	2005/11/16 14:43
S62	9114521	(zinc or Zn or cadmium or Cd or mercury or Hg or aluminum or Al or gallium or Ga or indium or In or thallium or Tl or lead or Pb or tin or Sn or magnesium or Mg or calcium or Ca or strontium or Sr or barium or Ba) same (sulfur or sulphur or S or selenium or Se or tellurium or Te or arsenic or As or antimony or Sb or nitrogen or N or phosphorus or P or silicon or Si or germanium or Ge or silver or Ag or gold or Au or cobalt or Co or iron or Fe or nickel or Ni or copper or Cu or manganese or Mn)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/16 15:26
S63	1	"20020155507".pn.	US-PGPUB; USPAT	OR	ON	2005/11/16 14:49

## EAST Search History

S64	6024703	(zinc or Zn or cadmium or Cd or mercury or Hg or aluminum or Al or gallium or Ga or indium or In or thallium or Tl or lead or Pb or tin or Sn or magnesium or Mg or calcium or Ca or strontium or Sr or barium or Ba) with (sulfur or sulphur or S or selenium or Se or tellurium or Te or arsenic or As or antimony or Sb or nitrogen or N or phosphorus or P or silicon or Si or germanium or Ge or silver or Ag or gold or Au or cobalt or Co or iron or Fe or nickel or Ni or copper or Cu or manganese or Mn)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/16 15:26
S65	931	S50 with S64	US-PGPUB; USPAT	AND	ON	2005/11/16 15:32
S66	7	S55 and S65	US-PGPUB; USPAT	AND	ON	2005/11/16 15:33
S67	4	S66 and (@pd<="20021116" or @ad<="20031116")	US-PGPUB; USPAT	AND	ON	2005/11/16 15:33
S68	410	516/98.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 06:42
S69	162	516/100.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 06:42
S70	1163437	crystal or nanocrystal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 06:43
S71	12468	amphiphilic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 06:43
S72	2166821	carbox\$5 or COOH or hydroxy\$2 or OH or sulfon\$5 or sulphon\$5 or SO3H or "SO.sub.3H" or amin\$3 or NH2 or "NH.sub.2" or phosphon\$3 or PO3H2 or "PO.sub.3H.sub.2"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 06:43

## EAST Search History

S73	27186	(sol adj gel) or sol\$1gel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 06:43
S74	314082	(alkoxide or halide or fluoride or chloride or bromide or iodide or hydroxide) near5 (silicon or Si or titanium or Ti or zirconium or Zr or aluminum or Al or vanadium or V or iron or Fe or tin or Sn or tantalum Ta or cerium or Ce or chromium or Cr)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 06:43
S75	4145937	(zinc or Zn or cadmium or Cd or mercury or Hg or aluminum or Al or gallium or Ga or indium or In or thallium or Tl or lead or Pb or tin or Sn or magnesium or Mg or calcium or Ca or strontium or Sr or barium or Ba) near5 (sulfur or sulphur or S or selenium or Se or tellurium or Te or arsenic or As or antimony or Sb or nitrogen or N or phosphorus or P or silicon or Si or germanium or Ge or silver or Ag or gold or Au or cobalt or Co or iron or Fe or nickel or Ni or copper or Cu or manganese or Mn)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 06:43
S76	267734	((acrylic or methacrylic or meth\$1acrylic or (meth adj acrylic)) adj acid) or polyacrylicacid or polymethacrylicacid or (poly\$1acrylic or (poly adj acrylic) or poly\$1methacrylic or (poly adj methacrylic) or (poly adj meth\$1acrylic) or (poly adj meth adj acrylic) adj acid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 06:43
S77	14	((acrylic adj acid) or polyacrylicacid or (poly\$1acrylic or (poly adj acrylic) adj acid)) near5 (octylamine or (octyl adj amine) or octyl\$1amine)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 06:43
S78	0	S70 S71 S72 S73 S74 S75 S76 S77	EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/12/07 06:43
S79	0	S70 S71 S72 S73 S74 S75 S76	EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/12/07 06:43

## EAST Search History

S80	0	S70 S71 S73 S74 S75 S76	EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/12/07 06:43
S81	0	S70 S71 S73 S75 S76	EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/12/07 06:43
S82	1	S70 S71 S73 S75	EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/12/07 06:43
S83	2	S70 S71 S73	EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/12/07 06:43
S84	0	S70 S71 S72 S73 S74 S75 S76 S77	USOCR	AND	ON	2005/12/07 06:43
S85	0	S70 S71 S72 S73 S74 S75 S76	USOCR	AND	ON	2005/12/07 06:43
S86	0	S70 S71 S73 S74 S75 S76	USOCR	AND	ON	2005/12/07 06:44
S87	0	S70 S71 S73 S75 S76	USOCR	AND	ON	2005/12/07 06:44
S88	0	S70 S71 S73 S75	USOCR	AND	ON	2005/12/07 06:44
S89	0	S70 S71 S73	USOCR	AND	ON	2005/12/07 06:44
S90	1	S70 S71 S72 S73 S74 S75 S76 S77	US-PGPUB; USPAT	AND	ON	2005/12/07 06:44
S91	27	S70 S71 S72 S73 S74 S75 S76	US-PGPUB; USPAT	AND	ON	2005/12/07 06:44
S92	1	(S70 same S75) (S71 same S72 same S76) (S73 same S74)	US-PGPUB; USPAT	AND	ON	2005/12/07 06:44
S93	2	(S70 same S75) (S71 same S72) (S73 same S74)	US-PGPUB; USPAT	AND	ON	2005/12/07 06:45
S94	162	(S70 same S75) (S73 same S74)	US-PGPUB; USPAT	AND	ON	2005/12/07 06:45
S95	48	(S70 same S75) (S73 same S74) and surfactant	US-PGPUB; USPAT	AND	ON	2005/12/07 06:45
S96	162	(S70 same S75) (S73 same S74)	US-PGPUB; USPAT	AND	ON	2005/12/07 06:53
S97	48	(S70 same S75) (S73 same S74) and surfactant	US-PGPUB; USPAT	AND	ON	2005/12/07 06:54
S98	29	(S70 same S75) (S76 or S77) (S73 same S74)	US-PGPUB; USPAT	AND	ON	2005/12/07 06:54
S99	21	S98 and (@pd<="20021116" or @ad<="20031116")	US-PGPUB; USPAT	AND	ON	2005/12/07 06:54
S10 0	17556	PbSe or Pb\$1Se or (Pb adj Se) or Lead\$1Selenium or (Lead adj Selenium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 06:54

## EAST Search History

S10 1	1163437	crystal or nanocrystal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 06:55
S10 2	27186	(sol adj gel) or sol\$1gel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 06:55
S10 3	484	S101 and S102	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 06:56
S10 4	2	S100 and S101 and S102	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 06:56
S10 5	2	S100 and S101 and S102	USOCR	OR	ON	2005/12/07 06:56
S10 6	97	S100 and S101 and S102	US-PGPUB; USPAT	OR	ON	2005/12/07 06:56
S10 7	3971	nanocrystal or nano\$1crystal or (nano adj crystal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 06:56
S10 8	50	S100 and S107 and S102	US-PGPUB; USPAT	OR	ON	2005/12/07 06:56
S10 9	25	(S100 same S107) and S102	US-PGPUB; USPAT	OR	ON	2005/12/07 06:57
S11 0	14	((acrylic adj acid) or polyacrylicacid or (poly\$1acrylic or (poly adj acrylic) adj acid)) near5 (octylamine or (octyl adj amine) or octyl\$1amine)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 06:57
S11 1	5	S110 and (@pd<="20021116" or @ad<="20031116")	US-PGPUB; USPAT	AND	ON	2005/12/07 06:57
S11 2	3971	nanocrystal or nano\$1crystal or (nano adj crystal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 06:58

## EAST Search History

S11 3	244	S112 and ((volume or vol) near5 (load\$4 percent\$4 "%"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 06:58
S11 4	4145937	(zinc or Zn or cadmium or Cd or mercury or Hg or aluminum or Al or gallium or Ga or indium or In or thallium or Tl or lead or Pb or tin or Sn or magnesium or Mg or calcium or Ca or strontium or Sr or barium or Ba) near5 (sulfur or sulphur or S or selenium or Se or tellurium or Te or arsenic or As or antimony or Sb or nitrogen or N or phosphorus or P or silicon or Si or germanium or Ge or silver or Ag or gold or Au or cobalt or Co or iron or Fe or nickel or Ni or copper or Cu or manganese or Mn)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 06:58
S11 5	228	S113 and S114	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 06:59
S11 6	170	S115 and (@pd<="20021116" or @ad<="20031116")	US-PGPUB; USPAT	AND	ON	2005/12/07 06:59
S11 7	18	S112 with ((volume or vol) near5 (load\$4 percent\$4 "%"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 07:02
S11 8	0	S117 with S114	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 07:03
S11 9	14	S117 and S114	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 07:03
S12 0	10	S119 and (@pd<="20021116" or @ad<="20031116")	US-PGPUB; USPAT	AND	ON	2005/12/07 07:03
S12 1	762	S112 with S114	US-PGPUB; USPAT	AND	ON	2005/12/07 07:04

## EAST Search History

S12 2	5	S117 and S121	US-PGPUB; USPAT	AND	ON	2005/12/07 07:04
S12 3	3	S122 and (@pd<="20021116" or @ad<="20031116")	US-PGPUB; USPAT	AND	ON	2005/12/07 07:04
S12 4	6043791	(zinc or Zn or cadmium or Cd or mercury or Hg or aluminum or Al or gallium or Ga or indium or In or thallium or Tl or lead or Pb or tin or Sn or magnesium or Mg or calcium or Ca or strontium or Sr or barium or Ba) with (sulfur or sulphur or S or selenium or Se or tellurium or Te or arsenic or As or antimony or Sb or nitrogen or N or phosphorus or P or silicon or Si or germanium or Ge or silver or Ag or gold or Au or cobalt or Co or iron or Fe or nickel or Ni or copper or Cu or manganese or Mn)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 07:04
S12 5	948	S112 with S124	US-PGPUB; USPAT	AND	ON	2005/12/07 07:04
S12 6	7	S117 and S125	US-PGPUB; USPAT	AND	ON	2005/12/07 07:04
S12 7	4	S126 and (@pd<="20021116" or @ad<="20031116")	US-PGPUB; USPAT	AND	ON	2005/12/07 07:06
S12 8	1	"20050107478".pn.	US-PGPUB; USPAT	AND	ON	2005/12/07 07:06
S12 9	4	(US-20020155507-\$ or US-20020110180-\$).did. or (US-6106609-\$ or US-6262129-\$). did.	US-PGPUB; USPAT	OR	ON	2005/12/07 08:59
S13 0	0	S129 and (silane or alkoxysilane or alkoxy\$1silane or (alkoxy adj silane))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 09:00

Application#	Patent#	Status	Date Filed	Title	Inventor Name
10537801	Not Issued	25	06/07/2005	Process For The Preparation Of Substituted Halogenated Aniline	Petruska, Melissa A
10715806	Not Issued	71	11/17/2003	Nanocrystal/Sol-Gel Nanocomposites	Petruska, Melissa A
10715733	Not Issued	71	11/17/2003	Nanocrystal/Sol-Gel Nanocomposites	Petruska, Melissa A
11388409	Not Issued	19	03/24/2006	Nanocrystal/Photonic Crystal Composites	Petruska, Melissa A
60665101	Not Issued	159	03/24/2005	Nanocrystal/Photonic Crystal Composites	Petruska, Melissa A
60433847	Not Issued	159	12/16/2002	Process For The Preparation Of 3,5-Difluoroaniline	Petruska, Melissa A
09805435	6819692	150	03/14/2001	Optical Amplifiers And Lasers	Klimov, Victor I.
09923815	Not Issued	1	01/01/0001	Optical Amplifiers And Lasers	Klimov, Victor I.
10106564	Not Issued	120	03/26/2002	Nanocrystal Quantum Dot Materials For Dynamic Holography	Klimov, Victor I.
10294742	Not Issued	90	11/15/2002	Nanocrystal Structures	Klimov, Victor I.
10843737	Not Issued	71	05/11/2004	Non-Contact Pumping Of Light Emitters Via Non-Radiative Energy Transfer	Klimov, Victor I.
10857583	Not Issued	30	05/28/2004	Semiconductor Nanocrystal Quantum Dots And Metallic Nanocrystals As Uv Blockers And Colorants For Sunscreens And/Or Sunless Tanning Compositions	Klimov, Victor I.
11004167	Not Issued	30	12/03/2004	Multifunctional Nanocrystals	Klimov, Victor I.
11089726	Not Issued	40	03/25/2005	Colloidal Quantum Dot Light Emitting Diodes	Klimov, Victor I.
11388409	Not Issued	19	03/24/2006	Nanocrystal/Photonic Crystal Composites	Klimov, Victor I.
11404467	Not Issued	19	04/13/2006	Carrier Multiplication In Quantum-Confined Semiconductor Materials	Klimov, Victor I.
60189256	Not Issued	159	03/14/2000	Quantum Dot Optical Amplifiers And Lasers	Klimov, Victor I.
60331454	Not Issued	159	11/16/2001	Nanocrystal Laser	Klimov, Victor I.
60556591	Not Issued	159	03/25/2004	Colloidal Quantum Dot Light Emitting Diode (Cqlded)	Klimov, Victor I.
60665101	Not Issued	159	03/24/2005	Nanocrystal/Photonic Crystal Composites	Klimov, Victor I.
60670726	Not Issued	159	04/13/2005	Carrier Multiplication In Quantum-Confined Semiconductor Materials	Klimov, Victor I.
60740588	Not Issued	20	11/28/2005	Activation Of Molecular Catalysts Using Semiconductor Quantum Dots	Klimov, Victor I.
08499888	5741442	250	07/11/1995	Optical Limiting Materials	Klimov, Victor I.
09249726	6191861	150	02/13/1999	Femtosecond Chirp-Free Transient Absorption Method And Apparatus	Klimov, Victor I.
10715733	Not Issued	71	11/17/2003	Nanocrystal/Sol-Gel Nanocomposites	Klimov, Victor L.
10715806	Not Issued	71	11/17/2003	Nanocrystal/Sol-Gel Nanocomposites	Klimov, Victor L.